Index of Claims

Application No.

10/039,354

Examiner

Kuo-Liang J Tang

Applicant(s)

CHIANG ET AL.

| <b>√</b> | Rejected | _ | (Through numeral)<br>Cancelled | N | Non-Elected  | A | Appeal   |
|----------|----------|---|--------------------------------|---|--------------|---|----------|
| =        | Allowed  | + | Restricted                     | ı | Interference | 0 | Objected |

| Cla  | aim      |          |                 |            | _  | Dat  | e        |              |                    |                 |   | Cla      | aim      |          |                         |                   |   | ate   |   |   |                         |          | Ì | Cla  | aim        |           |   |               |                | Date   | е        |          |   |           |
|--|----------|----------|-----------------|------------|--|--|----------|--------------|--------------------|-----------------|---|----------|----------|----------|-------------------------|-------------------|---|---|---|---|-------------------------|----------|---|--|------------|-----------|---|---------------|----------------|--|----------|----------|---|-----------|
| l _  | - m      | 7        |                 |            |  |  |          |              |                    |                 |   | l _      | -        |          |                         | -                 |   | -   |   | - [   |                         |          |   |  | je         |           |   |               |                |  |          |          |   | Ì         |
| Final  | Original | 10/21/04 |                 |            |  | l  | ĺ        |              | İ                  |                 |   | Final    | Original |          |                         |                   |   |   |   |   | ı                       |          |   | Final  | Original   |           |   | 1             |                |  |          |          | İ   |           |
| Œ  | Ę        | Ş        |                 | l          |  |  | İ        |              |                    |                 |   | ΙŒ       | Ē        |          |                         |                   |   |   |   | -   | Į                       |          |   | 证  | )riç       |           |   |               |                |  |          |          | - 1   |           |
|  | <u> </u> | ı        |                 | lacksquare | ㄴ  | ╙  | ㄴ        | _            | _                  | Щ               |   |          | L        |          | Ш                       |                   | _   |   | _   | _   | _                       |          |   |  |            |           |   |               | L              | L  |          |          | Ш   |           |
|  | 1        | V        |                 | <u> </u>   | ╙  | _  | L        | L            | <u> </u>           | Щ               |   |          | 51       | L        | Щ                       | _                 |   | _   | _   | _   |                         |          |   |  | 101        |           |   |               | L              | L  |          |          | [   | $\sqcup$  |
|  | 2        | 1        | Щ               | L          | ┡  | ↓_   | _        | <u> </u>     | <u> </u>           | Щ               |   |          | 52       | <u> </u> | Щ                       | _                 | _   |   | 4   | _   | _                       |          |   |  | 102        |           |   |               | L              | _  |          | Ш        | _   | _         |
| -  | .3       | 1        | _               | _          | <u> </u>   | Ļ  | _        |              | <u> </u>           | Ш               |   |          | 53       |          | Ш                       |                   | _   | $\downarrow$  | _   | _   | .                       | _        |   |  | 103        |           |   | _             |                | L  |          |          | _   | _         |
|  | 4        | 0        | Щ               |            | ┞  | -  |          | _            | ┡                  | $\sqcup$        |   |          | 54       |          | $\sqcup$                | _                 | _   | _   | 4   | _   | _                       | _        |   |  | 104        |           |   | _             | _              | _  |          | $\Box$   | _   | _         |
|  | 5        | 0        |                 | _          | ┡  | ┡  | _        | ļ            | <u> </u>           | Ш               |   | <u> </u> | 55       | $\vdash$ | $\sqcup$                |                   | _   | _   | 4   | $\dashv$  | _                       | _        |   |  | 105        |           |   |               | L              | <u> </u>   |          |          | _   | _         |
|  | 6        | 0        | _               | _          | ├  | ₩  | ⊢        | <u> </u>     | ⊢                  | Ш               |   |          | 56       | Ш        | Ш                       | _                 | _   | -   | 4   | 4   |                         | _        |   | Щ  | 106        |           |   |               | <u> </u>       | _  |          | _        | _   | 4         |
|  | 7        | 0        |                 | _          | ├  | ₩  | ├        | _            | <b>!</b>           | Н               |   |          | 57       | <b>├</b> | $\Box$                  | 4                 | _   | _   | 4   | _   | _                       | _        |   |  | 107        |           | _   |               | _              | ┡  |          | $\Box$   | 4   | _         |
|  | 8        | 0        | $\vdash$        |            | ⊢  | ⊢  | ├        | ⊢            | ⊢                  | <del> </del>    |   |          | 58       | ├        |                         | -+                | $\dashv$  | +   | $\dashv$  | -   | -                       | 4        |   | $\vdash$   | 108        | _         |   |               | <u> </u>       | 1  |          |          | _   | -         |
|  | 9        | 1        | Н               |            | ├  | ⊬  | ┢        | ├—           | ⊢                  | $\vdash \vdash$ |   |          | 59       | _        | $\vdash$                | $\dashv$          | -+  | -   | +   | $\dashv$  | $\dashv$                | 4        |   | $\vdash \vdash$                                  | 109        |           |   |               | _              | ┡  |          |          | -   | _         |
|  | 10       |          | Н               |            | ┢  | -  | ▙        | ļ            | ⊢                  | Н               |   |          | 60       | ┡-       | $\vdash$                |                   | $\dashv$  | -   | $\dashv$  | $\dashv$  | $\dashv$                | $\dashv$ | ! | $\vdash$   | 110        |           | _   |               | L              | L  | Н        | _        | -   | _         |
| <u> </u>   | 11       | 1        | $\vdash \vdash$ | <u> </u>   | Ͱ  | $\vdash$   | -        | <del> </del> | $\vdash$           | Н               |   | <u> </u> | 61       | $\vdash$ | $\dashv$                |                   |   | $\dashv$  | +   | $\dashv$  | $\dashv$                | $\dashv$ |   | $\vdash \vdash \vdash$                           | 111        | $\square$ |   |               | <del>  _</del> | $\vdash$   | Ш        | $\sqcup$ |   | _         |
|  | 12<br>13 | 1        | Н               | _          | $\vdash$   | ┢┈   | ├—       | $\vdash$     | $\vdash$           | Н               |   |          | 62       | -        | $\dashv$                | -                 | $\dashv$  | +   | +   | $\dashv$  | $\dashv$                | $\dashv$ |   | $\vdash$   | 112        |           | -   |               | <u> </u>       | $\vdash$   |          |          | $\dashv$  | 4         |
|  | 14       | 1        | Н               | $\vdash$   | ⊢  | <del> </del>                                     | $\vdash$ | ├            | $\vdash$           | Н               |   | ļ        | 63<br>64 | $\vdash$ | $\dashv$                | $\dashv$          | $\dashv$  |   | +   | -+  | +                       | -        |   | <del></del>                                      | 113        | $\vdash$  |   |               | $\vdash$       | <del>                                     </del> |          | $\vdash$ | $\dashv$  | $\dashv$  |
| <u> </u>   | 15       | 1        | $\vdash$        | -          | $\vdash$   | $\vdash$   | ╁        | $\vdash$     | ├                  | Н               |   |          | 65       | $\vdash$ | $\dashv$                |                   | $\dashv$  | +   | +   | $\dashv$  | $\dashv$                |          |   | <del>  </del>                                    | 114        | -         | $\dashv$  |               | <del> </del> — | $\vdash$   | $\vdash$ | $\dashv$ |   | 4         |
| $\vdash$   | 16       | 1        | Н               | -          | ╁─   | ╁  | $\vdash$ | $\vdash$     | ├                  | Н               |   |          | 66       | Н        | $\dashv$                | $\dashv$          | -+  | +   | +   | +   |                         | {        |   | $\vdash$   | 115<br>116 | $\dashv$  |   |               | $\vdash$       | $\vdash$   | $\dashv$ | $\dashv$ | $\dashv$  | -         |
| <del>                                     </del> | 17       | ò        | $\vdash\vdash$  |            | $\vdash$   | $\vdash$   | ├        | $\vdash$     | $\vdash$           | $\vdash$        |   |          | 67       | Н        | $\dashv$                | $\dashv$          | $\dashv$  | +   | +   | +   | $\dashv$                | $\dashv$ |   | <del>                                     </del> | 117        | -         | $\dashv$  |               | ├—             | $\vdash$   | Ш        |          |   | $\dashv$  |
| <u> </u>   | 18       | 0        | Н               | _          | ┢  | $\vdash$   | ├        | -            | $\vdash$           | Н               |   |          | 68       | Н        |                         | +                 | +   |   | ┿   | $\dashv$  |                         | $\dashv$ |   | $\vdash$   | 118        | -         | $\dashv$  |               | ⊢              | ├  | -        | $\dashv$ | +   | $\dashv$  |
| <del> </del>                                     | 19       | 0        | H               |            | $\vdash$   | ┢  | ╁        | $\vdash$     | ┢                  | Н               |   |          | 69       | Н        | $\dashv$                | ┰                 | $\dashv$  | $\dashv$  | +   | $\dashv$  | $\dashv$                | $\dashv$ |   |  | 119        | _         | $\dashv$  |               | -              | H  |          | -        | -+  | $\dashv$  |
| ├─   | 20       | 0        | H               | _          | <del> </del>                                     | -  | ⊢        | ┢            | $\vdash$           | $\vdash$        |   |          | 70       | $\vdash$ | -                       | $\dashv$          | $\dashv$  | +   | +   | +   | -                       | $\dashv$ |   |  | 120        | $\dashv$  |   | _             | <del> </del>   | -  | -        | $\dashv$ | $\dashv$  | $\dashv$  |
|  | 21       | 0        | Н               |            | -  | ╁  | ┢        | -            | <del> </del>       | Н               |   |          | 71       | Н        | $\vdash$                | $\dashv$          | $\dashv$  | -   | +   | +   | -                       | $\dashv$ |   |  | 121        | $\dashv$  |   | _             | <u> </u>       | -  |          | $\dashv$ | +   | $\dashv$  |
|  | 22       | V        | Н               |            | ⊢  | ┢  | ⊢        | ┢─           | $\vdash$           | Н               |   |          | 72       | $\vdash$ | $\dashv$                | $\dashv$          | -   | $\dashv$  | +   | +   | $\dashv$                | $\dashv$ |   | -  | 122        | $\dashv$  | -   | _             | -              | H  |          | $\dashv$ | -   |           |
|  | 23       | V        | -               |            | ┝┈   | ├  | $\vdash$ |              | ┢                  | Н               |   |          | 73       | Н        | -                       | $\dashv$          | -   | +   | +   | $\dashv$  | +                       | $\dashv$ |   |  | 123        | _         | $\dashv$  | _             | ├              | $\vdash$   | -        |          | +   | $\dashv$  |
|  | 24       | i        | Н               |            | ├  | <del> </del>                                     | ┢        | $\vdash$     |                    |                 | Î |          | 74       | Н        |                         | $\dashv$          | $\dashv$  | $\dashv$  | +   | $\dashv$  | -                       | $\dashv$ |   |  | 124        |           |   |               | $\vdash$       | Н  | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$  |
|  | 25       | Ė        |                 | _          | H  | Ė  |          |              | $\vdash$           |                 |   |          | 75       | Н        | $\dashv$                | $\dashv$          | 十   | -+  | +   | +   | $\dashv$                | $\dashv$ |   | -  | 125        | $\neg$    | $\dashv$  |               | -              | Н  | $\dashv$ | ┪        | $\dashv$  | $\dashv$  |
|  | 26       | $\vdash$ | Н               |            | <del>                                     </del> |  | Ι.       |              |                    | $\vdash$        |   |          | 76       | Н        | -                       | +                 | $\dashv$  | $\dashv$  | +   | $\dashv$  | $\dashv$                | _        |   |  | 126        | _         | $\dashv$  |               | <u> </u>       | Н  | -        |          | +   | $\dashv$  |
|  | 27       |          | Н               | _          | ┢  | <del>                                     </del> |          | -            |                    | Н               |   |          | 77       | H        | -                       | +                 | $\dashv$  | -   | +   | +   | +                       |          |   |  | 127        |           |   | _             |                |  |          |          | $\dashv$  | $\dashv$  |
|  | 28       |          | М               | -          | Н  | $\vdash$   |          |              |                    | Н               |   |          | 78       | Н        |                         | 1                 | 十   | _   | +   | +   | 十                       | ヿ        |   |  | 128        | $\dashv$  | -   |               | -              | Н  | ┪        | $\dashv$ | $\dashv$  | $\dashv$  |
|  | 29       |          | Н               |            | $\vdash$   | ┢  |          |              | $\vdash$           | H               |   |          | 79       | Н        | 十                       | $\dashv$          | 十   | $\dashv$  | +   | $\dashv$  | ┪                       | $\dashv$ |   |  | 129        | $\neg$    | $\dashv$  |               |                |  | ╅        | -        | +   | $\dashv$  |
|  | 30       |          | $\Box$          |            | H  | Г  |          | _            | Н                  | Н               |   |          | 80       | Н        | 十                       | _                 | +   | $\dashv$  | 十   | 1   | $\dashv$                | ⊣        |   |  | 130        | $\dashv$  | -1  |               |                | Н  |          | $\dashv$ | +   | ᅥ         |
|  | 31       |          |                 |            | $\vdash$   |  | Г        |              | Н                  | Н               |   |          | 81       | Н        | $\neg$                  | 7                 | $\dashv$  | 十   | $\top$  | 7   | 寸                       | $\neg$   |   |  | 131        | 一         | _   | _             | -              | Н  | 一        | 寸        | $\dashv$  | _         |
|  | 32       |          |                 |            |  | T  | 1        |              |                    |                 | - |          | 82       | П        | $\dashv$                |                   | 7   | $\dashv$  | $\top$  | 十   | $\dashv$                | ヿ        |   |  | 132        | 一         | 寸   | $\overline{}$ | -              | Н  | _        | 寸        | $\dashv$  | _         |
|  | 33       |          |                 |            |  |  |          |              |                    |                 | l |          | 83       | П        | _                       | $\neg$            | $\dashv$  | $\top$  | $\top$  | 十   | 7                       | ┪        |   | T i  | 133        | 寸         | $\neg$  |               |                | М  | 寸        | 寸        | +   | _         |
|  | 34       |          |                 |            | П  |  |          | Г            |                    | П               |   |          | 84       | П        | $\neg$                  | $\dashv$          | 十   | T   | 十   | 十   | 7                       | $\dashv$ |   |  | 134        | 一         | ┪   |               | $\overline{}$  | П  | 寸        | _        | $\dashv$  |           |
|  | 35       |          |                 |            |  |  |          |              |                    |                 |   |          | 85       | П        | $\Box$                  | 1                 | 寸   | $\exists$   | T   | 十   | T                       | ᅦ        |   |  | 135        | ╗         | $\neg$  | _             |                | П  | 寸        | $\neg$   | $\dashv$  | $\dashv$  |
|  | 36       |          |                 |            |  |  |          |              |                    |                 |   |          | 86       |          |                         |                   | 一   | $\dashv$  | $\top$  |   | ┪                       | $\neg$   |   |  | 136        | $\neg$    | 寸   |               |                | П  | T        | _        | $\dashv$  | $\exists$ |
|  | 37       |          |                 |            |  |  |          |              |                    |                 |   |          | 87       |          | $\Box$                  |                   |   |   |   |   | _†                      |          | Ì |  | 137        |           |   |               |                |  | $\neg$   | $\neg$   | $\dashv$  | $\neg$    |
|  | 38       |          |                 |            |  |  |          |              |                    |                 |   |          | 88       |          | ╗                       | ╗                 |   |   |   |   |                         |          |   |  | 138        |           |   |               |                |  | $\neg$   | $\dashv$ | $\neg$  | $\neg$    |
|  | 39       |          |                 |            |  |  |          |              |                    |                 |   |          | 89       |          |                         | ╛                 | T   | T   | T   |   |                         |          |   |  | 139        |           |   |               |                |  | $\neg$   | 一        | $\top$  | ٦         |
|  | 40       |          |                 |            |  |  |          |              |                    |                 |   |          | 90       |          |                         |                   |   | $\Box$  | floor   | $\Box$  | Ī                       |          | ľ |  | 140        |           |   |               |                |  |          | 丁        | 丁   |           |
|  | 41       |          |                 |            | L  |  |          |              |                    |                 | - |          | 91       |          |                         |                   |   | $\Box$  |   | $_{ m I}$   |                         |          | Ī |  | 141        |           |   |               |                |  |          | ⋾        | ▔   | $\Box$    |
|  | 42       |          |                 |            |  |  |          |              | $\Box$             |                 |   |          | 92       |          |                         |                   | $\Box$  | $oxed{oxed}$  |   | $\Box$  |                         |          | ĺ |  | 142        | J         | J   |               |                |  |          | ┚        |   |           |
|  | 43       |          | Ш               |            |  |  | Ш        | لــــا       | $oxedsymbol{oxed}$ | Ш               |   |          | 93       |          |                         | $\Box$            | $oldsymbol{\perp}$                                | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$  | $oldsymbol{ol}}}}}}}}}}}}}} $ | $oldsymbol{\bot}$   | $oldsymbol{\mathbb{I}}$ | ╝        | [ |  | 143        |           | $\Box$  |               |                |  | J        |          |   |           |
|  | 44       | $\Box$   | Ш               |            | <u> </u>   |  |          | $\Box$       | $\Box$             | Ш               |   |          | 94       |          | $\Box$                  | $\perp$           | $oldsymbol{\perp}$                                |   |   | $\perp \Gamma$  | $\Box$                  | ╝        |   |  | 144        |           |   |               |                |  | $\Box$   |          |   |           |
|  | 45       |          |                 |            | <u> </u>   |  |          |              |                    |                 |   |          | 95       |          | $oldsymbol{\mathbb{I}}$ | $oldsymbol{\bot}$ | Ι   | $oldsymbol{\mathbb{I}}$   | $oldsymbol{\mathbb{I}}$   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$  | $\Box$                  |          |   |  | 145        |           |   |               |                |  |          |          |   |           |
|  | 46       | Ш        |                 |            |  |  |          |              |                    |                 |   |          | 96       |          | $oldsymbol{\bot}$       |                   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $oldsymbol{ol}}}}}}}}}}}}}}}$ |   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   |                         |          |   |  | 146        | J         | J   |               |                |  |          | $\Box$   |   |           |
|  | 47       | $\Box$   |                 |            | <u> </u>   |  |          |              |                    |                 | I |          | 97       |          |                         |                   | $oldsymbol{\bot}$                                 | $oxed{oxed}$  | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $oldsymbol{\mathbb{I}}$ | ╝        |   |  | 147        |           | J   |               |                |  | $\Box$   |          |   |           |
|  | 48       | L        | Ш               |            | L  |  | Ш        | $\Box$       | $\Box$             | Ш               | Į |          | 98       |          | $oldsymbol{\bot}$       | $\Box$            | $\Box$  | $\Box$  |   | $\perp$   | $\prod$                 |          |   |  | 148        | $\Box$    | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |               |                |  |          |          |   |           |
|  | 49       | Щ        | Ш               |            | <u> </u>   | L.   | Ш        |              | L_                 | Ш               |   |          | 99       | Шl       |                         | _[                |   |   | L   |   |                         | ╝        |   |  | 149        |           |   |               |                |  |          | J        | $oldsymbol{ol{ol}}}}}}}}}}}}}}}}} $ |           |
|  | 50       | $\Box$   |                 |            | L_   | L  |          | l            |                    |                 | Į |          | 100      |          |                         | $\perp$           |   |   |   |   | $\perp$                 | ╝        |   | $\Box$   | 150        |           |   |               |                |  |          |          |   | _]        |